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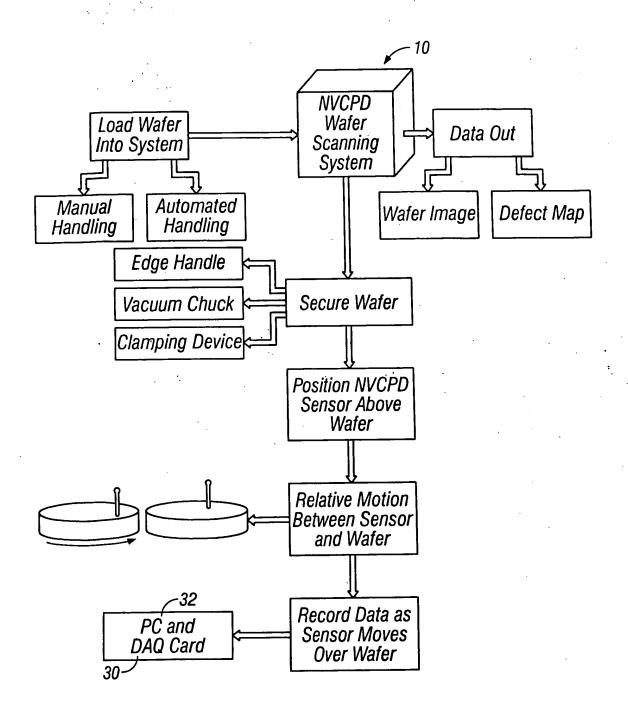
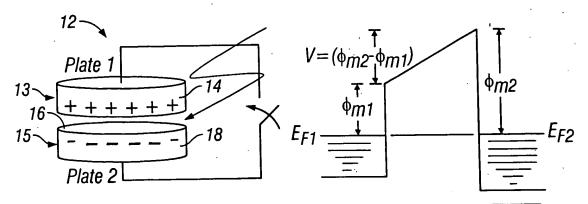


FIG. 1



 $E_F$ : Fermi Energy of Electrons  $\phi_m$ : Work Function

FIG. 2

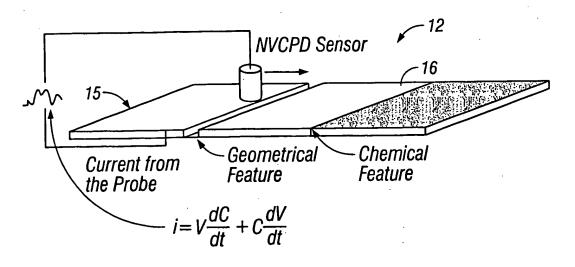


FIG. 3

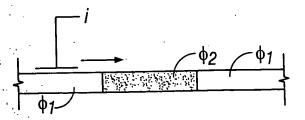




FIG. 4

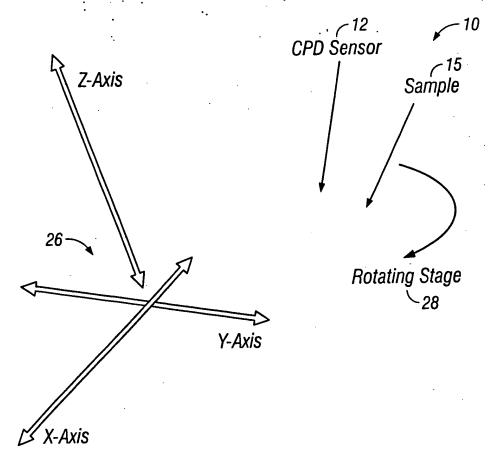


FIG. 5

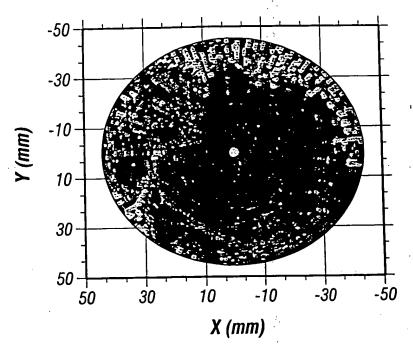


FIG. 6

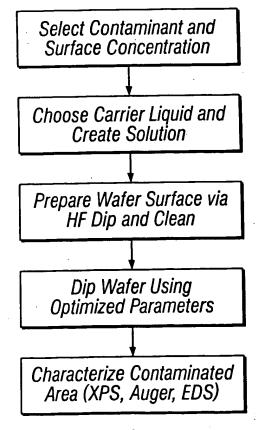
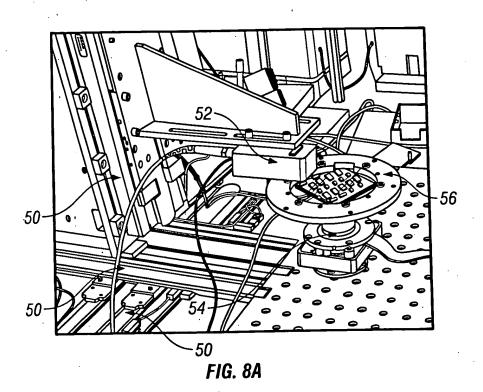


FIG. 7



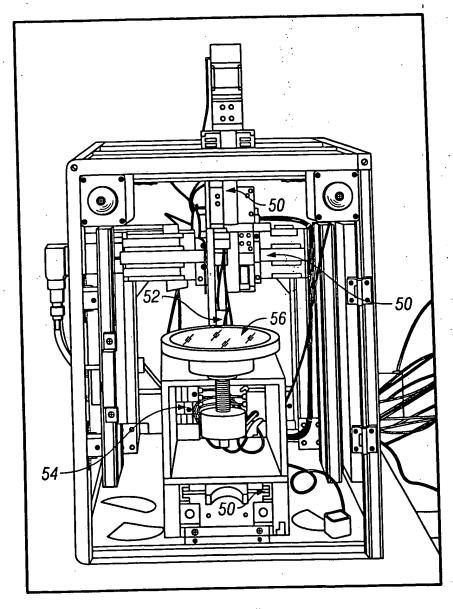


FIG. 8B

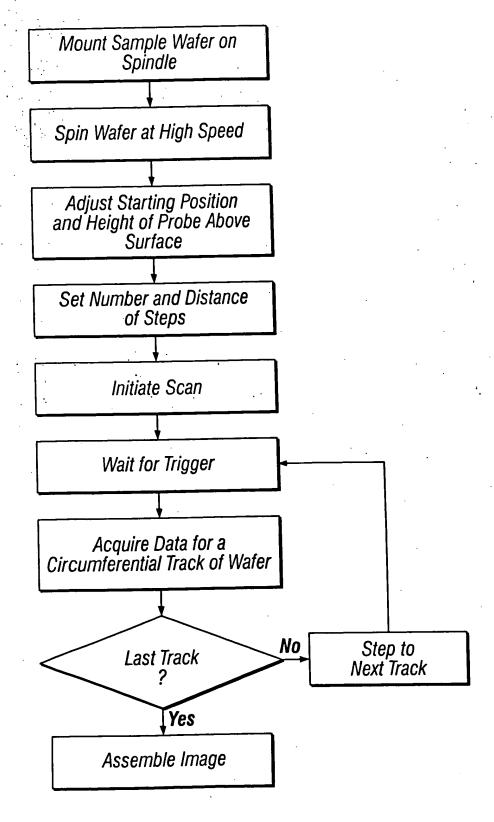


FIG. 9

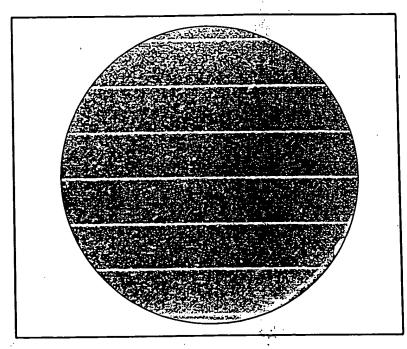


FIG. 10A

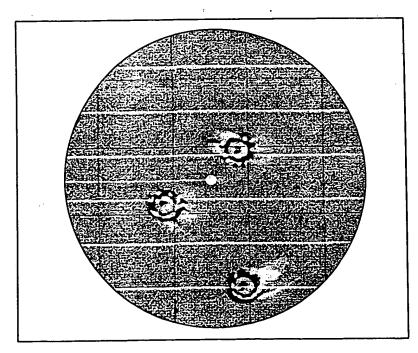


FIG. 10B

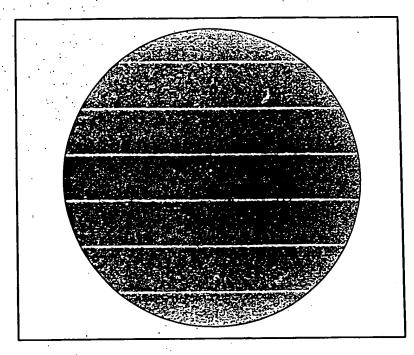


FIG. 11A

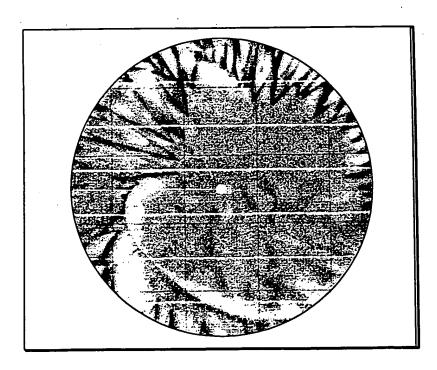


FIG. 11B

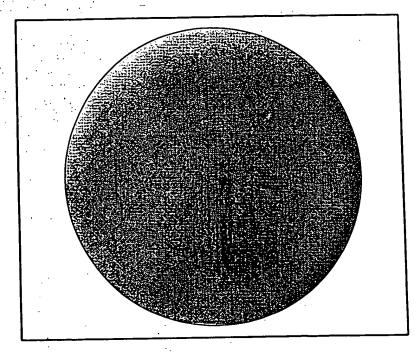


FIG. 12A

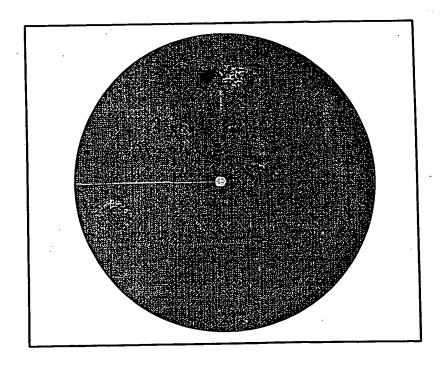


FIG. 12B

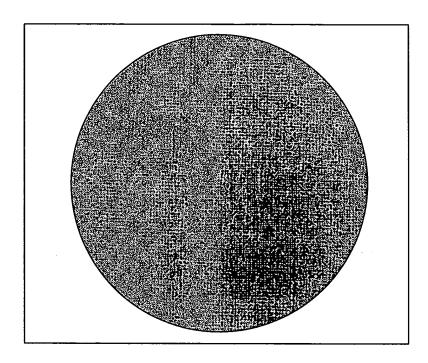


FIG. 13A

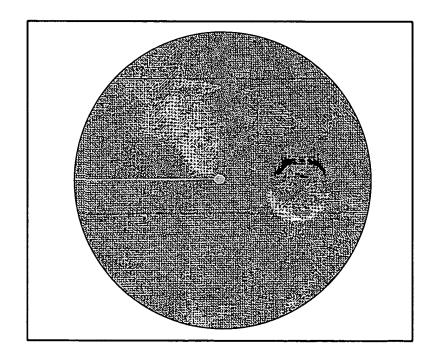


FIG. 13B

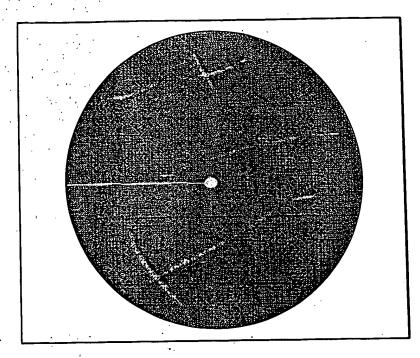


FIG. 14

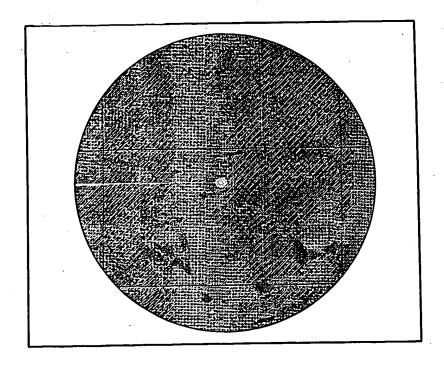


FIG. 15

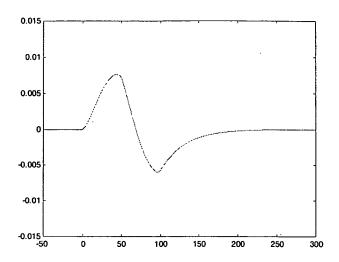


Figure 16 Original signal

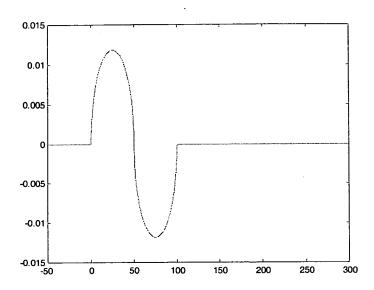


Figure 17 Deconvoluted signal

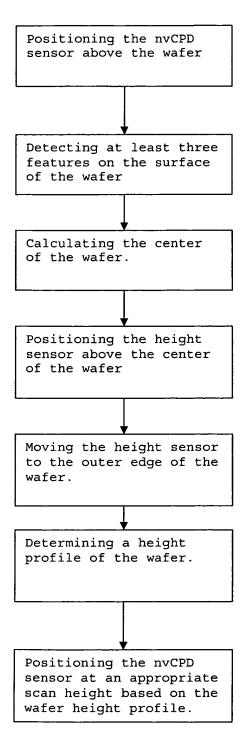


FIG. 18

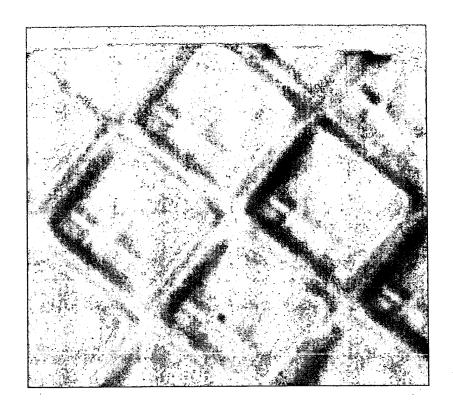


FIG.19

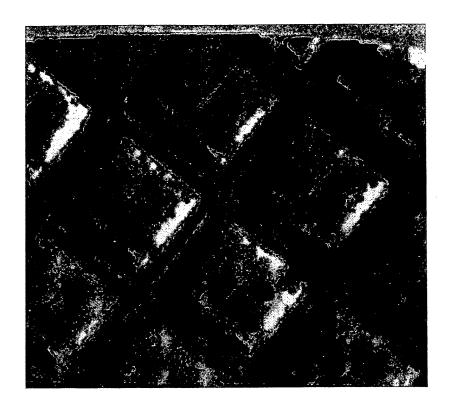


FIG. 20

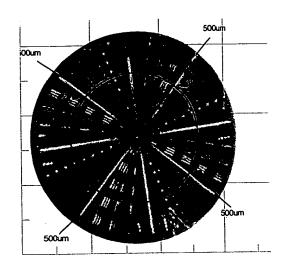
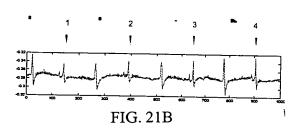


FIG. 21A



## **CPDI Signal Strength vs Surface Density**

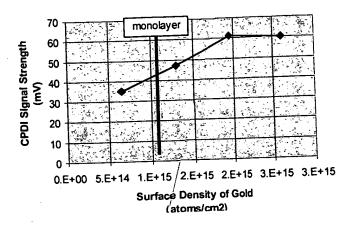


FIG. 21C

